



The

GARzette

The Official Newsletter of the Gwinnett Amateur Radio Society
July 2012 <http://www.gars.org/> Volume 21, Issue 7



Field Day—June 2012

JAPAN - USA - GERMANY



See story—Page 3

Message From The President

What a GREAT time we had a Field Day this year. As usual, it was quite hot, but I am pleased it was only in the 90s and not in the 100s like it was the following weekend. As usual, we ate well, worked the event continuously, made a boatload of contacts, got new folks on the air, and had a ton of fun doing it. Every year I am amazed at the GARS army and how efficient it is at getting setup, on-air, and broken down. David Adcock KA4KKF is our outstanding Field Day chairman and once again he did a splendid job of organizing the GARS army this year. I believe he told me we had sixteen antennas at our Field Day site this year. The extraordinary thing is we had everything up, in the air, and on the air in *just under two hours!* We basically idled for five or six hours waiting for the contest to begin – AMAZING!



Kyle Albritton—

I am pleased to announce that our May, “Satellites in the Park” practice-outing paid off with a Field Day satellite contact this year. We had a difficult and frustrating start, but we finally got the contact around 1:30AM Sunday morning. The “aimers” did a great job of hand-aiming in the dark and made it easy for the operators to do their part. After our precious satellite contact we took a deep breath and then efficiently broke down the station, having it all stowed by 2:00AM.

On the other side of the coin was the Field Day antenna build. I think we built 13 different Slim Jim antennas and it took us a very long time. It is not that the antenna design is difficult or time consuming to build, but we were making both roll-up and PVC (base) versions, in multiple bands. The one thing we can be sure of is that the folks building the antennas learned some skills, had a good time, and went home with some really well performing antennas.

There is a neat side note to the antenna build story. You see, at Field Day we have to send eleven messages digitally. We do this using the GARS packet network. Both the antenna and backup antenna normally used for this task could not contact the network from the park this year. We grabbed one of the 2m Slim Jim antennas we had *just built* and it made easy work of delivering the packet messages. I think we should get DOUBLE POINTS for sending our digital messages with an antenna *made on site!*

I cannot finish my brief Field Day recap without also thanking Gwinnett ARES. We at GARS have a very unique relationship with our ARES counterpart. We are separate corporations with different missions, yet we work so well together, and our joint Field Day effort is no exception. Their communications trailer is not only a prime contact maker, but it also provides an air conditioned oasis for over-heated Field Day goers. Thank you Gwinnett ARES for your support and participation in our joint Field Day exercise.

We have a great meeting coming up about batteries. It is a meeting you will not want to miss. As always, may you have great health, wealth, and all your contacts be 59.

Kyle W4KDA

Field Day 2012 Memories



Field Day - 2012

My Experience

By Ray—N4GYN

This Field Day was unique for me because I volunteered to be the first digital station to set up for FD. It was a lot of fun, and some angst as well, but I would do it all over again next year if our FD Chairman wishes. The angst was due to several software conflicts on the laptop I planned to use. I began doing a dry-run about a week before FD by setting up a card table in another room other than my “Shack” and taking all the pieces required for digital modes and re-assembling them there. I had a problem with using the laptop for Line-In signal levels, since it has only a Microphone-IN port. Fortunately, Windows 7 allows one to take the gain of that port down to a point where it can be used as Line-In without distortion. After connecting everything, (see diagram—next page) I started up Ham Radio Deluxe (HRD) and connected with my radio (an Icom 746PRO) for remote control.

Next, I ran MMTTY, an application that sends and receives RTTY (Radio Teletype). One of our members said I should try that since it's a free app. There were problems getting MMTTY to work with my RIGblaster digital adapter at first, but after a bit, I got the drivers for the USB to RS-232 adapter working and it worked just fine. However, I found that using MMTTY was awkward, especially for real-time keyboard messages (versus recorded Macros).

Then I ran DM-780 (Digital Master 780), another application executable from within HRD. This app will do a number of digital modes including RTTY and PSK. This program (app) allows you to use the established connection through HRD to key the radio to transmit mode. That function, however, means that you can't key the RIGblaster, and **you** have to put it in the VOX mode in order to get audio through to the mic input of the radio. Thank goodness, it also allows you to select direct control of the RIGblaster via its own port, so I had to purchase another USB to RS-232 adapter. My RIGblaster is one of the first ones made and has an RS-232 port. The newer laptop had no RS-232 ports. ;-)

Having purchased that, I was then able to key the radio through the RIGblaster and not use VOX, giving me separate control of the radio frequency and other settings while still keying the radio with the RIGblaster. Less conflict. Finally, I was ready to go, so I made up a drawing to help myself hook it up on Field Day (see next page). What a help that was. It would have been much more difficult without that drawing. Now mind you, it's not that complicated when you look at it, but it sure helped me keep the cables going to the right places.

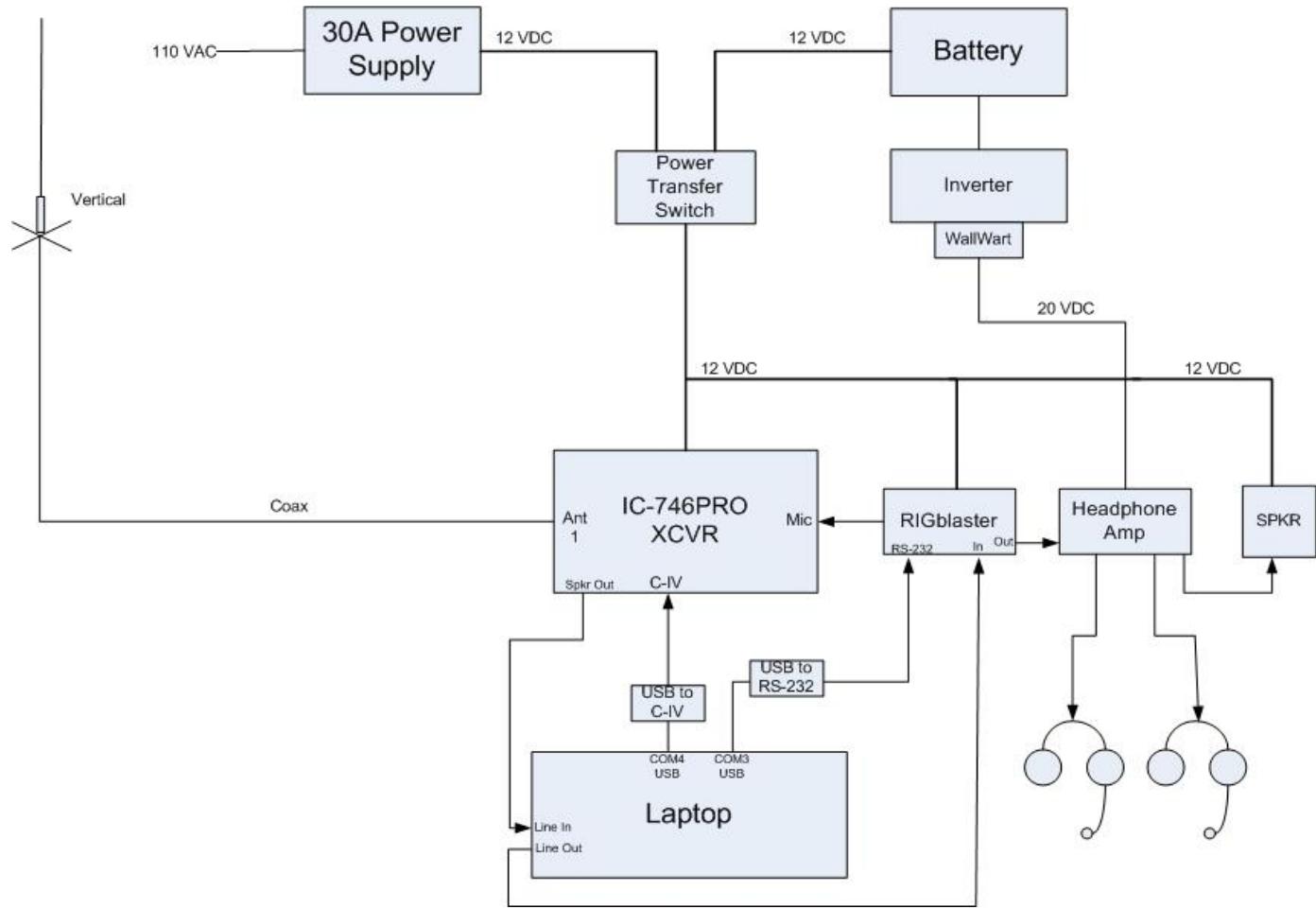
A short explanation of digital modes is in order, for those who are new to such things. With such software as Ham Radio Deluxe or MMTTY (and others) and a computer with almost any sound card, we can now do almost any kind of digital modes. All you have to do is take the audio out (speaker output) of the radio to the Line-Input of the sound card. HRD then connects to your sound card and hears everything going into the Line-Input and translates the various modes into text, showing you the signals on a “waterfall”, or “spectrum”, image. The waterfall/spectrum image aids you in tuning the radio to the right audio frequency once you are on the correct radio frequency. RTTY users are found on xx.080 mostly, and up to about xx.100 (where xx is the band. i.e. 7 or 14 or 21, etc). PSK users are found on xx.070 up to xx.075. When

(Continued on page 5)

(My Experience—Continued from page 4)

tuned to a particular band, you will see several stations (if there is good activity on that band) across the audio spectrum of your radio and can use the mouse to select any signal by clicking on the one you want. The computer (HRD) will then decode that signal and you can then type a message responding to the operator of that signal when he finishes transmitting and click on TX to transmit what you have typed. It allows you to continue typing while transmitting and, in the case of HRD, will stop transmitting when you finish typing.

N4GYN Digital Station Wiring Diagram



I should stop here, since I could write a book going into greater detail. But I hope this whets your appetite if you have never done digital modes. I would be happy to demonstrate this to anyone who would like to see it.

The band conditions during FD were very unreliable, and many stations didn't seem to hear me (or the others who volunteered to operate the digital station). I tried to do a "run" at first, with no luck, so I switched to "hunt and pounce" which seemed to do better. Around 2am Sunday morning, I/we had better luck with being heard and made the most contacts from around 2am to 4am when I finally succumbed to sleep for about 2 hours. I had two terrific guys helping me, and we made more digital (not CW) contacts than first expected.

(Continued on page 8)

Life with an Active Antenna Launcher

Bug Bites – Thorns - Poison Ivy – Sweat - Rope Burns - Lost Tennis Balls

New Friends -New Antennas in the air - Different Launch Challenges

Practice - A lot of conversation - Sucker of a friend that helps most every installation

Wouldn't have it any other way!

Launcher Construction Photos: <http://groups.yahoo.com/group/GARS/photos/album/1984736598/pic/list>



Norm - WA4ZXV

Note: Without this terrific device, Field Day antenna setup would take a LOT longer! Way to go, Norm! Ed.

CTCSS - what's it all about?

“That repeater uses ‘Tone’.” “This repeater uses ‘Tone’.” “What’s TONE?”

In amateur radio repeater systems, it is common for the repeaters receiver to be set to only pass transmissions which are encoded with a specified sub-audible tone. The reason is that there are often other repeater systems in the vicinity that may be using the same repeater frequencies. The repeaters are generally separated by enough space/distance that this type of interference isn't a problem except when a mobile is between two towers on the same frequency. To reduce the interference, we use a "sub audible tone". It keeps the repeater's receiver from passing communications which is not directed to that specific repeater.

Continuous Tone-Coded Squelch System or CTCSS is a circuit that is used to reduce the annoyance of listening to other users on a shared two-way radio communications channel. It is sometimes called **tone squelch**. Where more than one user group (or repeater) is on the same channel (called *co-channel users*), CTCSS filters out other users if they are using a different CTCSS tone or no CTCSS.

Receivers equipped with a CTCSS circuit usually have a switch that selects normal mode or CTCSS mode. When enabled, the CTCSS radio circuit, instead of opening the receive audio for any signal, causes the two-way radio receiver's audio to open only in the presence of the normal RF signal AND the correct sub-audible audio tone (sub-audible meaning that the receiver circuitry can detect it, but is not apparent to the users in the audio output). This is akin to the use of a lock on a door. A carrier squelch or noise squelch receiver not configured with CTCSS has no lock on its door and will let any signal in. A receiver with CTCSS circuitry (and with it enabled) locks out all signals except ones encoded with the correct tone. CTCSS can be regarded as a form of in-band signaling. Most every handheld or mobile VHF or UHF radio has had tone as a standard accessory for the past 15 years or so, the chances of your radio not having tone capabilities is probably fairly slim.

Programming the tone is another story. In most cases you'll need the manual, or a good friend that has done it several times on your model radio. Knowing which tone to use is generally available on the sponsoring clubs web site or you can look it up in the ARRL Repeater Directory. I found a fairly extensive listing on the web at <http://www.artscipub.com/repeaters/search/index.asp?state=Georgia>.

Norm WA4ZXV



The following is copied from:

<http://wiki.radioreference.com/index.php/CTCSS>

The **Continuous Tone Coded Squelch System**, commonly referred to as **CTCSS**, has been in used in the land mobile radio arena from the late 1960's. It is known by a number of different trade names such as **Private Line®** (PL) by Motorola, **Channel Guard®** (CG) by General Electric and generically as **tone squelch**.

It is the use of sub-audible tones that are transmitted along with the speech portion of the transmission which allows more than one agency (or fleet) to use the same radio frequency without causing undue interference to another agency on that frequency. Receivers for agency XYZ are set to only open their audio squelch when the proper sub-audible frequency tone is part of the transmission.

The land mobile industry started with some 38 sub-audible frequencies this has increased over the years to the more generally accepted 50. There is no generic standard tone number assignment or code letter to go with a particular tone; however, below is a table of the commonly accepted 50 tones used at this time.

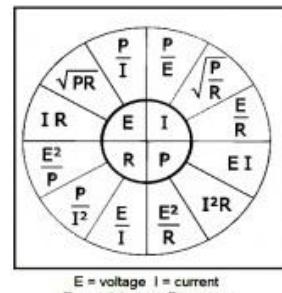
67.0	94.8	131.8	171.3	203.5
69.3	97.4	136.5	173.8	206.5
71.9	100.0	141.3	177.3	210.7
74.4	103.5	146.2	179.9	218.1
77.0	107.2	151.4	183.5	225.7
79.7	110.9	156.7	186.2	229.1
82.5	114.8	159.8	189.9	233.6
85.4	118.8	162.2	192.8	241.8
88.5	123.0	165.5	196.6	250.3
91.5	127.3	167.9	199.5	254.1

These programs will display the a detected CTCSS tone when audio output of a radio receiver is connected to Line-In of the sound card in your computer.

[ScanScope](http://www.coaa.co.uk/scanscope.htm) (<http://www.coaa.co.uk/scanscope.htm>)

[WinCTCSS](http://www.antistatic.org/winctcss/) (<http://www.antistatic.org/winctcss/>)

Ray N4GYN

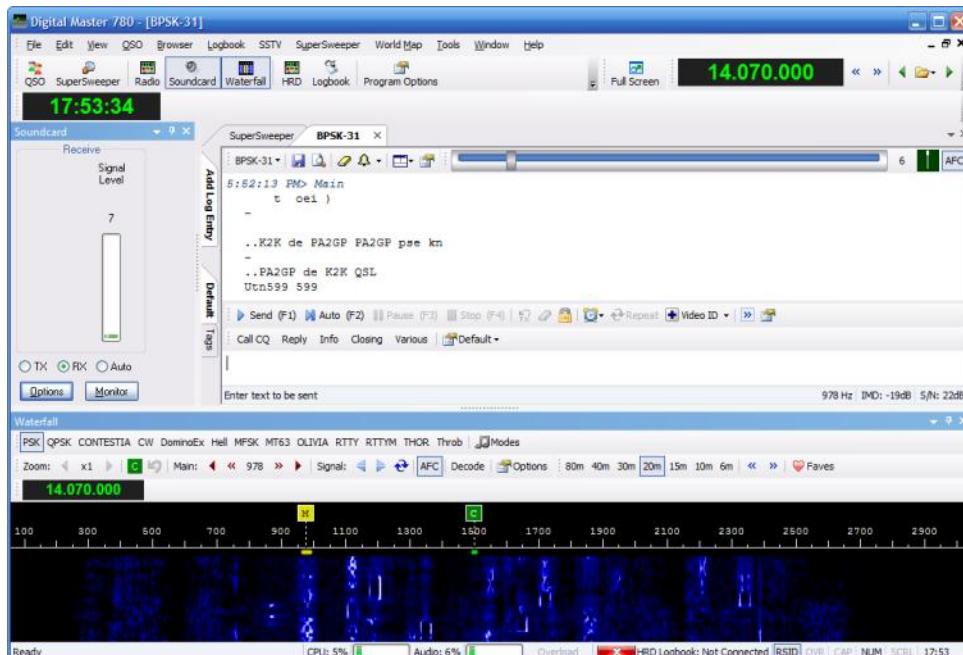


(My Experience—Continued from page 5)

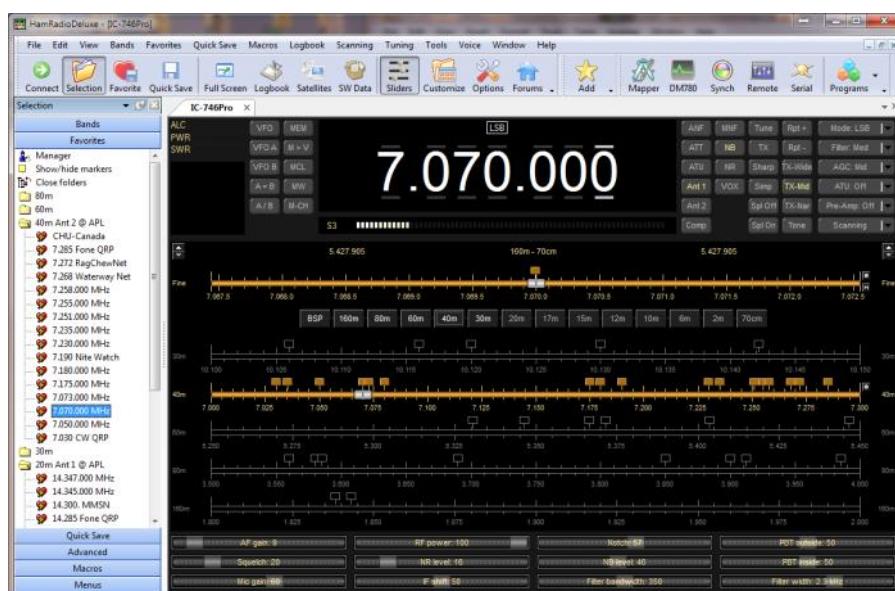
We used a vertical antenna, and that may have cross-polarized us with most other digital stations on the bands, making it harder to be heard. But, it did help somewhat with possible intermod problems between the other stations there around me. Next year, I would like to put up a Delta Loop on 40 meters and see how that works.

All in all, it was a terrific experience. Digital is another FUN mode of Ham Radio!

Ray - N4GYN



Example of PSK waterfall and decoding in DM-780



Example of HRD computer remote control

Our Program for the July Meeting

“Care and Feeding of Rechargeable Batteries” by Jim Krause, AB4CZ

Don’t miss it!

Meetings are held on the 2nd Tuesday of each month at 7pm.



MARK YOUR CALENDARS

It's that time of year again to celebrate with the boys of summer.



GARS Night At The G-Braves!

It will be **Sunday, July 22nd, at 5:05p**. Our seats, as usual, are in Section 113 and are under cover.
They are a little outside of the 1st base dugout.

The tickets are priced at **\$8.00ea**, which is a significant discount
below the \$11.00 normally charged for this section.

The G-Braves will be playing the Scranton/WB Yankees.

Watch the GARS website for a Paypal link or see me in person for the tickets (2 GARS meetings between now and gametime).

Hope to see you there.



Ralph - KJ4CNC

Treasurer and Group Ticket Arranger

G-Braves Website: <http://www.milb.com/index.jsp?sid=t431>

Schedule for July: <http://www.milb.com/schedule/index.jsp?sid=t431&m=07&y=2012>



NET MANAGERS CORNER

Hello Everyone from N4LNE GARS Net Manager.

I want to thank everyone for taking the time to check in to the nets and I especially wish to thank the NCS and ANCS stations for their time and effort.

Please think about adding your name to the list as NCS or ANCS.

Monday Night Net Stats.

DATE	CHECK INS	NCS	ANCS
9/09/2012		Norm WA4ZXV	
7/02/2012	23	Sandy KJ4DRO	David KA4KKF
6/25/2012	31	John WB4QDX	Phil N4LNE
6/18/2012	24	Phil N4LNE	Jeff AB4HF
6/11/2012	16	Hal W4IGE	David KA4KKF
6/04/2012	32	Kyle W4KDA	Ralph KJ4CNC
5/28/2012	19	Norm WA4ZXV	Ralph KJ4CNC

Thursday Night Net Stats

DATE	CHECK INS	NCS	ANCS
7/5/2012		Dennis WB4TID	
6/28/2012	11	David ka4kkf	
6/21/2012	13	Dennis WB4TID	
6/14/2012	9	Phil N4LNE	
6/7/2012	8	Hal W4IGE	Kyle W4KDA
5/32/2012	12	Kyle W4KDA	Phil N4LNE

73' See you on the Nets!

Phil N4LNE
Net Manager

GARS Membership

To become a GARS member, or to renew your GARS membership,
please visit our website - <http://www.gars.org>

To make changes to your GARS membership (moved, new email address, new phone number, etc.),
please email the Membership Chairman - membership@gars.org

You can renew or update your Amateur Radio license information with the FCC at their website for free
- <http://wireless.fcc.gov/uls/index.htm?job=home>

To update your ARRL information, please visit their website - <http://www.arrl.org>

METRO ATLANTA AMATEUR RADIO NETS

Daily

146.76 MHz PL107.2/145.45 Noon Brown Bag Net
146.79 MHz PL110.9 8:00 PM Sassafrass Mtn.
3.795 MHz 6:00 PM WX & Skywarn

Sunday

7.275 MHz 9:00 AM Georgia Traders Net
3.975 MHz 5:00 PM Winter PM GA State ARES
146.520 5:00-6:00 PM Emergency Simplex
145.450 7:00 PM Alford Mem. RC Roundtable
147.060+ 8:30 PM No. Fulton ARES
146.820- PL146.2 7:30 PM Atlanta Radio Club Net
147.105+ PL100.0 8:30 PM ATL C.A.R.E.S Net
146.700- PL123.0 4:30 PM Jasper Radio Club
50.145 Simplex 9:00 PM Six Meter Net

Monday

145.450- PL107.2 8:00 PM Decatur A.R.E.S. Net
145.470- PL100.0 8:30 PM North Fulton Tech. Net
50.235 USB 8:30 PM Regional Six Meter Net
145.430 - PL107.2 8:00 PM Cherokee ARES
146.880 - PL100.0 8:00 PM Cobb Co. A.R.E.S. NET
147.210+ PL162.2 9:00 PM Rockdale Co. ARES
147.075+ PL 82.5 8:00 PM Gwinnett G.A.R.S.
147.075+ PL 82.5 9:00 PM Gwinnett A.R.E.S.

Tuesday

146.625- PL123.7 8:00 PM S Fulton ARES
146.895+ PL 77.0 8:00 PM Dallas
147.240+ PL103.5 8:00 PM Bartow Co. ARES
147.150+ 8:00 PM Forsyth Co. ARES

Wednesday

145.41 - 8:00 PM Chapter 49, QCWA Net
145.15 - 8:00 PM GA Tech Stinger Net .
146.67 - PL131.0 8 8:00 PM Hall Co. ARES Net

Thursday

146.955 - PL77.0 7:00 PM Digital Silver CometARS
146.955 - PL77.0 8:00 PM, Paulding ARES.
145.270 - PL100.0 8:00 PM, Cherokee Am. Radio Soc.
146.88 - PL100.0 8:30 PM, Kenneboochee ARC Net
147.225+ - 8:00 PM, NE GA ARC
147.15+ - 8:00 PM, Swap Net
147.015- PL100.0 9:00 PM, N GA Disaster Relief Team
147.39+ - PL131.8 9:00 PM Thomaston Net

Friday

145.11 - PL88.5 8:00 PM Douglas Co. ARES
147.015 - PL100.0 6:00 PM N GA Disaster Net
146.76 - PL107.2 Midnight Turnip Truck Net

Saturday

7.275 MHz 9:00 AM GA Traders Net
3.857 MHz 9:00 AM Chapter 49, QCWA Net
146.760- PL107.2 12:00 AM Midnight Turnip Truck Net
147.015- PL100.0 10:00 PM Hoot Owl Net

Ham Radio Exams New Licenses & Upgrades

**2nd Sunday of Every Month
starting promptly at 2:00 pm**

Primary areas served: Gwinnett County, GA and the surrounding area

Sponsor: Gwinnett Amateur Radio Society (GARS)

Talk-In: GARS Repeater on 147.075(+) MHz, Tone 82.5 Hz

Location:

Gwinnett County Fire Station #5
Community Room – 3001 Old Norcross Road
Duluth, GA 30096
Map: [http://maps.google.com/maps?
q=33.9566,-84.1078](http://maps.google.com/maps?q=33.9566,-84.1078)

VE Contact:

Dave Bruse W4DTR
E-mail: exams@gars.org
Phone: 770-623-0149

What to bring:

- A Photo ID. (Driver's license, Student ID, Passport, etc.)
- Minors must have 2 forms of ID and SS number.
- Your original license and two (2) copies of the original license.
- Your original CSCE and two (2) copies for any outstanding elements passed.
- A pen and a pencil with eraser.
- Calculators with memory must be cleared. Cell phones are not allowed.
- Current Exam Fee is \$14.00. Cash only. Checks are not accepted.
- Walk-ins are welcome.

No pre-registration required.

VEC: W5YI-VEC

Dave Bruse W4DTR

Email: exams@gars.org



GARS Email Group

<http://groups.yahoo.com/group/GARS/>

Join the GARS Yahoo Group if you are not already a member. To do so, go to the GARS Yahoo Group web site (<http://groups.yahoo.com/group/GARS/>) and then click on the Join This Group! link on the main page.

If you have joined the group, you can Post a message by sending an email to GARS@yahoogroups.com

The Yahoo Group is for GARS friends and members to share information, ask questions, and make announcements.

This is your group and each member is welcome to post questions or comments relating to amateur radio. Use it! With all the new hams in the area, this is great place to ask for help. There's someone out there reading the emails that can help.



Also, join us on **facebook**: <http://www.facebook.com/groups/315255321681/>

A teal-colored advertisement for Hands-Only CPR. It features a red smartphone icon with a red circle containing the number '1' above it, followed by the text 'Call 911'. To the right is a red hand icon with a red circle containing the number '2' above it. The text 'Push hard and fast in the center of the chest.' is written in white. Below this is the text 'Learn more at handsonlycpr.org'. In the top left corner is the Ad Council logo. In the top right corner is the American Heart Association logo with the tagline 'Learn and Live'.

The GARzette

The *GARzette* is the official monthly newsletter of the Gwinnett Amateur Radio Society, serving its members and other persons interested in the advancement of the amateur radio art.

Original articles, art, and photos are invited and encouraged. Previously copyrighted submissions cannot be accepted for reprinting unless permission from the appropriate publisher is provided in writing along with the information being submitted. If reprints are from publications allowing their unrestricted use, please include a copy of the printed permission contained in the publication.

If possible, bring your articles to the monthly meeting in Microsoft Word or rich text (.rtf) or text or HTML format or by email to n4gyn@arrl.net. Artwork can be accepted in most any graphics format and can be submitted via email to the same address. Alternate means of submittal can be arranged when necessary.

In keeping with the amateur radio spirit, permission is hereby granted for the reproduction of The *GARzette* articles by other amateur radio club newsletters provided that proper credit is given to the individual author and *The GARzette*.

The GARzette is published each month with the assistance of Norm Schklar, W4ZXV who prints copies for distribution at meetings, etc. and Dave Bruse, W4DTR, who distributes the news letter electronically.

Deadline for submissions is the 25th of each month for inclusion in the following month's issue.

For additional information view our Website at: <http://www.gars.org>

Newsletter Editor: Ray Bailey—N4GYN
770-689-6620 or n4gyn@arrl.net

JOIN ARRL
- OR -
**RENEW YOUR
MEMBERSHIP
THROUGH GARS**



Help the GARS Treasury by applying for ARRL membership or renewing your ARRL membership through GARS. By applying for ARRL membership through GARS we are able to keep \$15.00 of each new membership fee for our Treasury. We can keep \$2.00 from each renewal.

Show your support for both organizations by applying through GARS.

Ralph Pickwick – KJ4CNC, GARS Treasurer, will have the ARRL applications at the monthly meetings for your use. We only ask that you don't wait until the last minute to renew, as we will only be sending the applications to ARRL on a monthly basis. We will only be accepting personal checks with the applications (no PayPal).

If you have any questions concerning this process, please contact Ralph at KJ4CNC@arrl.net.



UPCOMING HAMFEST CALENDAR

Southeast US



07/21/2012 | [Covington Georgia Hamfest](#)

Location: Covington, GA

Type: ARRL Hamfest

Sponsor: Newton County Radio Club

08/18/2012 | [Southeastern Division Convention \(Huntsville Hamfest\)](#)

Location: Huntsville, AL

Type: ARRL Convention

Sponsor: Huntsville Amateur Radio Club

Website: <http://www.hamfest.org>

08/25/2012 | [Southeast ARA's 1st Annual Hamfest](#)

Location: Swainsboro, GA

Type: ARRL Hamfest

Sponsor: Southeast Amateur Radio Association

Website: <http://www.kj4mks.com>

09/01-02/2012 | [56th Annual Shelby Hamfest](#)

Location: 1303 Dallas-Cherryville Hwy, Dallas, NC

Type: General

Sponsor: Shelby Amateur Radio Club (SARC)

Website: <http://shelbyhamfest.org/>

10/13/2012 | [ARC of Augusta, GA Hamfest](#)

Location: Blythe, GA

Type: ARRL Hamfest

Sponsor: Amateur Radio Club of Augusta

Website: <http://w4dv.org>

10/13/2012 | [LaGrange Hamfest](#)

Location: LaGrange, GA

Type: ARRL Hamfest

Sponsor: LaGrange Amateur Radio Club

Website: <http://www.lagrangeradioclub.org>

BSA Venture Crew 73 Wants You

IF YOU are between 14 and 21 years old, enjoy outdoor activities, and have an interest in radio technology,
Venture Crew 73 is for you.

- Venture Crews are part of the Boy Scouts of America.
- Venture crew 73 is chartered by the Gwinnett Amateur Radio Society.
- Venture crew 73 is coed.
- Meetings are on the second Tuesday of the month, 7:00 pm, at EAA 690 Hangar at:
Briscoe Field - Sports Aviation Complex
Hangar 1, 690 Airport Road
Lawrenceville, GA 30045
- Crew 73 is a youth-run organization, which means that our Crew President and other youth plan the Crew's outings and activities each month.

We enjoy:

- ◊ Camping
- ◊ Hiking
- ◊ Horseback Riding
- ◊ Shooting Sports

- Crew activities usually mix high adventure and the use of Amateur Radio.
- For more information, attend our next meeting or contact:

Steve Back, WB2OGY

Venture Crew 73 Committee Chairman

Phone: 770-712-9069

Email: committeechair@venturecrew73.org

Jeff Lee, AF4JL

Venture Crew 73 Advisor

Phone: 678-475-3165

Email: advisor@venturecrew73.org



GARS Officers and Committee Chairs

Kyle Albritton, W4KDA
President



Earl Whatley, AF4FG
Vice President



Hal Collier, W4IGE
Secretary



Ralph Pickwick, KJ4CNC
Treasurer, Apparel Manager



Sandy Jackson, KJ4DRO
Program Manager



Dave Bruse, W4DTR
Membership Chairman, VE Team



David Adcock, KA4KKF
Webmaster, Field Day Chairman



Dorothy Jubon, N2DLJ
Public Information Officer



Norm Schklar, WA4ZXV
TechFest Chairman



Ray Bailey, N4GYN
GARzette Editor



Jeff Cutchins AB4HF
Multimedia Chairman



Bill Cherepy, WB4WTN
W4GR Trustee



Eddie Foust, WD4JEM
Repeater Chairman



Mike Weathers, ND4V
WAS-Checker



Phil McCleary, N4LNE
Net Manager



Mike Swiderski, K4HBI
Technical Advisor



GARS Communications

2 Meter Repeater
147.075(+) MHz
82.5 PL Tone

2 Meter Repeater
147.255(+) MHz
107.2 PL Tone

APRS
144.390 -- 1200 Baud
W4GR

6 Meter Repeater
53.110 (-1 MHz)
82.5 PL Tone

D-Star
WD4STR
145.060 + (1.4 MHz)
440.550 + (5 MHz)

70 Cm Repeaters
444.525(+) MHz
82.5 PL Tone
442.100(+)
82.5 PL Tone

Main Repeater Site
Oak Street,
Lawrenceville

Backup Repeater Site
Lanier Mountain,
Snellville

The following members are celebrating birthdays in July:

**HAPPY BIRTHDAY!!
From All of Us at GARS**

Richard Barnes (W4IXN)
Dwight Bronnum (KE4OWF)
William (Bill) Cohl (WB2PIH)
Jeffery Cutchins (AB4HF)
Cate Donoghue (K8TFU)
Ryan Haney (KJ4DRN)
Terry Jones (W4TL)
Brian Jones (KD4UYP)
Paul Kelley (W4KLY)
Charlotte Matchette (KE4OSR)
Rob Osattin (KI4UTY)
William (Bill) Pierce (K1LP)
Lowry Rouse Jr (KM4Z)
Stephen Schreiman (KJ4MWF)
Sid Weaver (N4NQ)
Randy Woolery (KK4CRL)

GARS Recurring Calendar

- ◆ Monthly club meeting is the 2nd Tuesday of the month at 7pm
- ◆ Every Monday at 8pm: GARS Want, Swap, Sell, and Information Net on the GARS 2-meter repeater
- ◆ Every Thursday at 9pm: GARS Round Table Net, 2 & 6 Meters
- ◆ Every Saturday at 7:30am: GARS Weekly Family Breakfast, Golden Corral Restaurant, Riverside Drive, Lawrenceville

Meeting Minutes GARS General Meeting June 12th, 2012

Kyle Albritton, W4KDA, GARS President, called the meeting to order at 7:17pm at Sweetwater Park after our ice cream social.

Introductions of first time visitors and others present.

Treasurer's Report – Ralph Pickwick, KJ4CNC

Membership – Hal Collier, W4IGE, reported the following:
William Bentley, KJ4MXM, voted in as new member
William Pettit, K4ENQ, voted in as new member
Richard Latty, KC4PLT, voted in as new member
Donald Ruane, KK4JJP, voted in as new member
GARS has 210 active members

Program Manager – Sandy Jackson, KJ4DRO, announced:

- ◆ **July's program** will be "Care and Feeding of Rechargeable Batteries" by Jim Krause, AB4CZ.
- ◆ **August's program** will be "The Original Text Machine - A Marriage of Old and New Technology" by Steve Garrison, N4TTY.
- ◆ **September's program** will be "ARISS (Amateur radio international space station)" by John Kludt, K4SQ.
- ◆ **October's program** will be "Massive Homebrew Show and Tell".

Earl Whatley, AF4FG, reminded everyone to send in their May Madness contest logs to AF4FG@ARRL.NET.

Earl Whatley, AF4FG, thanked everyone who helped with the Dacula Memorial Day Parade on May 28th.

Kyle Albritton, W4KDA, announced that on June 19th at GJAC June 17-23 will be declared "Amateur Radio Week" in Gwinnett County.

Kyle Albritton, W4KDA, thanked everyone who helped at the Atlanta Hamfest. He also thanked everyone who helped at the EAA Ford Tri-Motor event.

David Adcock, KA4KKF, went over details for Field Day which is June 23-24.

Prize Drawing

There were 57 attendees at the meeting.

Meeting ended at 9:00 pm

Hal Collier W4IGE, Secretary



What's new on the WEB SITE?

- ◆ The web site upgrade is coming along. It is a Joomla version 2.5. After the web site was redirecting, I had to shut every thing down and check for malicious code in every file. I found some script in one of our files and reported it to our web hoster.
- ◆ I am continually trying to check all articles and pictures. If you have kept up with the yahoo group mail list, you have seen suggestions on web surfing. If you have suggestions or articles, please submit them to the webmaster@gars.org

Thank you for you patience.

- ◆ Do you get the GARZETTE from the web site? It's in the File Download menu selection in the Newsletter Folder.

73,

David KA4KKF

CALENDAR OF EVENTS

July

Sun	Mon	Tue	Wed	Thu	Fri	Sat
1	2 8pm GARS 2m Net	3 6:30pm GARS Exec Meeting	4 Independence Day	5 9pm GARS ROUND TABLE NET	6	7 7:30am Breakfast at Golden Coral on Riverside Drive
8	9 8pm GARS 2m Net	10 5pm Dinner at the Flying Machine 7pm GARS Meeting	11	12 9pm GARS ROUND TABLE NET	13	14 7:30am Breakfast at Golden Coral on Riverside Drive
15	16 8pm GARS 2m Net	17	18	19 9pm GARS ROUND TABLE NET	20	21 7:30am Breakfast at Golden Coral on Riverside Drive
22	23 8pm GARS 2m Net	24	25	26 9pm GARS ROUND TABLE NET	27	28 7:30am Breakfast at Golden Coral on Riverside Drive
29	30 8pm GARS 2m Net	31				

Phases of the moon: 3:○ 10:● 19:● 26:○

Holidays and Observances: 4: Independence Day

Metro Testing Sessions

GARS publishes Metro Atlanta VE exam schedules as a service and is not responsible for errors or changes. Call and confirm schedules before going. All sessions are walk-in. Take copies of current license and certificate of completed elements with you to all sessions. Find additional sessions online at <http://www.arrl-ga.org>.

First Sunday, ODD Months

2 pm (Jan, Mar, May, Jul, Sep, & Nov)
WCARS VEC
Braselton Public Utility Building
4986 Highway 53, Braselton, GA
Roger Gibson, WB4T
(770) 271-4210 or (770) 712-9560

First Sunday, EVEN Months

2 pm (Feb, Apr, Jun, Aug, Oct, Dec)
WCARS VEC
Johnson High School
3305 Poplar Springs Rd, Gainesville, GA
Perry Roper, KO4RD
(770) 536-3056

Second Saturday, ODD Months

ARRL VEC
8:30 a.m.
Stone Mountain Methodist Church
5312 West Mountain St.
Stone Mountain
Bob Varone, W4ETN
(770) 978-3179

Second Sunday

VEC: W5YI
2 pm (effective Jan 2012)
Gwinnett County Fire Station #5
3001 Old Norcross Road
Duluth, GA 30096
Contact: Dave Bruse, W4DTR
Email: exams@gars.org

Third Saturday

VEC: W5YI
3 pm (Except December)
Auburn City Hall Council Room
1369 Fourth Avenue
Auburn, GA
Steve Donellan, N5SMD
(404) 520-0368

(cont. next column)

Ham Exam Results for June, 2012

We had an excellent exam session on Field Day.

13 Tests administered.
5 applicants passed.

Ham exam results:

- 2 new Technicians
- 3 upgraded to Extra

Thanks to the VEs who made this exam session possible:

- Bill Cherepy,	WB4WTN
- Mark Fehlig,	WA6NGC
- Jeff Cutchins,	AB4HF
- Frank Sauciunas,	KF4TQV
- Karen Prescott,	KJ4VQI
- Larry Whitehead,	WB4FGF
- Will Perkins,	W1ZRV
- Brian Page,	N4TRB
- Robert Lee,	AF4JL
- Sid Weaver,	N4NQ

Thanks & 73,

Dave Bruse W4DTR

Email: exams@gars.org
GARS VE Website:
http://groups.yahoo.com/group/ARS_VE_Team/

Fourth Tuesday

ARRL VEC
7 pm @ United Way Service Center
6279 Fairburn Rd., Douglasville
Jessie Clower, KB4WFK
(770) 942-6466

Fourth Sunday

2:30 pm Georgia Tech
VanLeer Elec. Building
Rm. W218, 777 Atlantic Dr.
See www.w4aql.com
Alexander G. Carver
(404) 894-2936
acarver@ece.gatech.edu

Metro Club Meetings

First Tuesday

Kennehoochee ARC
Downtown Marietta
Fire Station #1, Training Room
112 Haynes Street
Marietta, Georgia 30060
Meeting begins at 7:00pm
Talk In 146.880(-)

First Thursday

Atlanta Radio Club
Georgia Red Cross HQ
1955 Monroe Dr., Atlanta
Meeting is at 7:30pm
Talk In -146.820(-)
N.E. Georgia ARC
Commerce Public Library
Meeting is at 6:30pm
Talk In - 147.225(+)
PL 123.0

Second Monday

Georgia Tech ARC
Room W218
Van Leer Electrical
Engineering Bldg.
Georgia Tech Campus
Meeting at 7:00pm

Second Thursday

Alford Memorial Radio Club
Annistown Road Baptist Church
Intersection of Annistown
Rd & Spain Rd
Stone Mountain
Dinner at 6:00pm
Meeting at 7:30pm
Talk In - 146.760(-)

Second Saturday

North GA QRP Club
Board Room of The
Shepherd Center at
2020 Peachtree Rd, NW, Atlanta
at 10:00 AM

Third Tuesday

North Fulton Amateur Radio
League
Masonic Lodge
194 Milton Avenue
Alpharetta, Georgia
meeting at 7:30pm
Talk In - 145.47(-)

For more, go to: <http://www.gars.org/>

The leading clog-free gutter systems guarantee. You'll never have to clean your gutters again. Now, you can have clog-free gutters and no overshoot, guaranteed. The Real Gutter Protector's Waterloov® System uses a patented design that slows water more effectively and draws water in more completely, with smaller openings that keep out more debris. It works so well that we simply don't get service calls – even on metal or steep roofs, even in the heaviest rain.

<http://www.clogfreegutterprotector.com> Atlanta, Georgia - (770) 630-1582
Greenville, Anderson, Seneca, South Carolina - (864) 757-4880



GWINNETT COLLISION CENTER, INC.



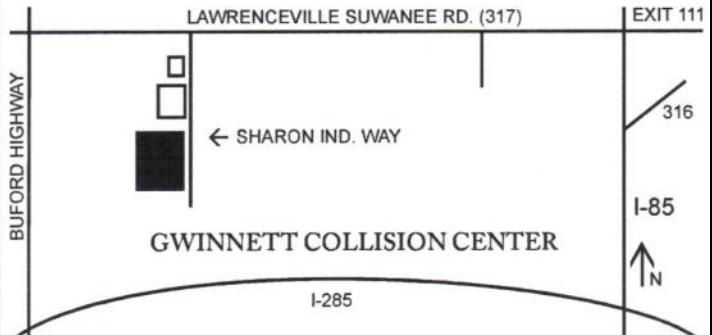
305 Sharon Industrial Way
Suwanee, Georgia 30024
770-945-0161

Import and Domestic
Unibody and Frame Repair

MARTY FOWLER
KE4MLH

See Map On Reverse

MARK JUSTICE



PRUDENTIAL
GEORGIA
REALTY

SHARON ADCOCK
404-428-9127
sharon@sharonadcock.com

You need an expert on your team when buying or selling real estate.
10+ years experience of listening and filling YOUR needs.

Prudential
Real Estate

www.sharonadcock.prudentialgeorgia.com

GARS Specialist
Top Negotiator
Top Agent



Helping hams with the sale and purchase of their properties takes extra time, effort and dedication. Not every agent is willing to make that commitment. Call me for when you or your friends and family are ready to make a move.

References available upon request.

YOUR AD GOES HERE

Contact Club Treasurer
Ralph Pickwick KF4CJC - kj4cnc@arrl.net
For Rates

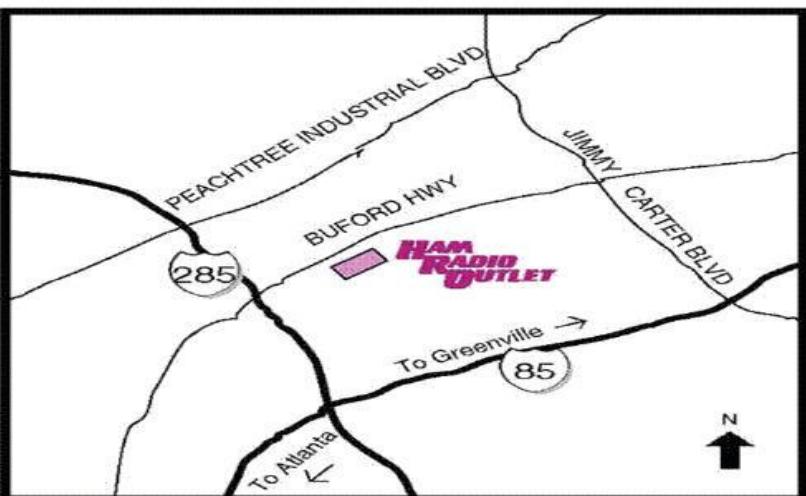
WORLD WIDE DISTRIBUTION



Mark Holmes
Manager
KJ4VO

6071 Buford Highway
Atlanta, GA 30340 (Doraville)
770-263-0700 1-800-444-7927
Fax: 770-263-9548
e-mail: atlanta@hamradio.com
hours: 10 a.m. - 5:30 p.m. Mon.-Sat.

John, KI4LMA Bill, W5RQR David, AI4XL Tom, KB4HQA
Dale, W4GCL Jim, N1ABM Josh, W4JDH Brian, WD4DX



Alinco
Icom
Japan Radio Corp.
Premier
ADI
Yaesu
Alpha Delta
Arrow
Butternut
Create
Kenwood
Tarheel
Heil
West Mountain

Cushcraft
Diamond
Force 12
Hustler
Hy-Gain (Telex)
KLM
Larsen
M2
Valor
Van Gorden
MFJ
Ameritron
Comet

QUIET PLEASE
Radio Operator
AT WORK

